

TRANSIENT DETECTION AND MODIFICATION IN AUDIO SIGNALS

ABSTRACT OF THE DISCLOSURE

A system and method are disclosed for transient detection and modification in
5 audio signals. Digital signal processing techniques are used to detect transients and
modify an audio signal to enhance or suppress such transients, as desired. A transient
audio event is detected in a first portion of the audio signal. A graded response to the
detected transient audio event is determined. The first portion of the audio signal is
modified in accordance with the graded response. The extent of enhancement or
10 suppression (as applicable) may be determined at least in part by a measure of the
significance or magnitude of the transient.